NITFS
Compliance Registration

Product: Enterprise Image Access Solutions (E-IAS) Image

Chipper Version 1.1

Sponsor: ITT Visual Information Solutions

Developer: ITT Visual Information Solutions

Date: 02 March 2010
Expiration: 01 March 2012
Registration #: 3014

- ☑ Initial Registration
- ☐ Supplemental/Update #
- ☐ Derived from Reg. #

☐ **System**
N-0105/98, §4.1.1

☐ **Product**
N-0105/98, §4.1.2

☑ **Component**
N-0105/98, §4.1.3

Complexity Level

NITF 2.1 CLEVEL		3		5	6	7
Interpret						
Generate						

NITF 2.0 CLEVEL	1	2	3	4	5	6	Oth
Interpret							
Generate							

Configurations Tested:
- Intel Core 2, 2.50GHz, Windows XP and Vista

** NITF 2.0 feature
* NITF 2.1 feature

Note: The image chipper performs a limited interpretation on the input products to process an update compliant output product. An example is interpreting the RPC TRE to establish new IGEOLO corner points. The application also updates DIGEST, ICHIP and HISTO TREs

NITFS Features Implemented:

Format
NITF
- ◉ 2.1
- ◉ 2.0
- ○ 1.1
NSIF
- ○ 1.0

Pixel Value Types
- ○ Boolean
- ◉ Integer
- ○ Signed Integer *
- ○ IEEE Real *
- ○ IEEE Complex *

Annotation Segment Types
- ○ Bit Mapped **
- ○ CGM, 2301
- ○ CGM, 2301A
- ○ Labels **

Text Segments
- ○ STA
- ○ UT1
- ○ U8S
- ○ MTF

Image Segment Types
- ◉ MONO
- ◉ RGB
- ○ RGB/LUT
- ◉ YCbCr
- ◉ MULTI
- ○ NODISPLY
- ○ POLAR

Image Compression
- ◉ No Compression
- ◉ JPEG Lossy, 8-bit
- ◉ JPEG Lossy, 12-bit
- ○ JPEG Downsample
- ○ JPEG Lossless
- ◉ JPEG 2000
- ○ Bi-Level
- ○ Vector Quantization

Data Extension Segments
- ○ TRE_OVERFLOW
- ○ STREAMING_FILE_HEADER
- ○ Controlled Extensions **
- ○ Registered Extensions **

Tagged Record Extensions
- ◉ CSDE
- ◉ DIGEST
- ○ PIAE
- ◉ J2KLRA
- ◉ ICHIPB
- ◉ NCDRD

Legend
Interpret / Generate
- ◉ Fully implemented
- ◉ Partially implemented
- ○ Not implemented

Signature

Valerie Baker, Lt Col, USAF, Portfolio Chief Joint Interoperability Test Command Executive Agent to National Geospatial-Intelligence Agency for the NITFS Test and Evaluation Program

Registration does not guarantee that a product will meet all users' requirements. Potential users should evaluate the detailed test results to determine the suitability of a product for the intended use. Optional NITFS features may not be implemented.